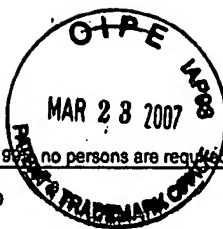


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## Complete If Known

Application Number	10/648,855
Filing Date	August 28, 2003
First Named Inventor	Paul Rudolf
Group Art Unit	2129
Examiner Name	Joseph P. Hirl
Attorney Docket No.	128988.00002

Sheet	1	of	1
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## U.S. PATENT DOCUMENTS

Exam. Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee of Applicant of Cited Doc.	Date of Pub. Of Cited Doc. (mm-dd-yyyy)	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
/JH/	AA	2002/078431		Reps	06/20/2002	
/JH/	AB	6,278,798		Rao	08/21/2001	
/JH/	AC	6,012,840		Liu	01/11/2000	
/JH/	AD	5,819,007		Elghazzawi	10/08/1998	
	AE					
	AF					
	AG					
	AH					
	AI					
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## FOREIGN PATENT DOCUMENTS

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## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam. Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	2
/JH/	CA	PCT International Preliminary Examination Report for Corresponding PCT Application (PCT/US03/26536), mailed February 28, 2007, 4 pgs.	
/JH/	CB	Rudolf et al., "Computer Modeling Wave Propagation With a Variation of the Helmholtz-Kirchhoff Relation," <i>APPLIED OPTICS</i> , Vol. 29, No. 7, March 1990 (Pgs. 988-1003).	
/JH/	CC	Yuasa et al., "An Autonomous Decentralized Recognition System Having a Dispersive Wave Property," <i>IEEE</i> , 1997, 0-8186-7783-X/97 (Pgs. 75-82).	
/JH/	CD	Grebenkin et al., "A Model of Wave Associative Processing," <i>IEEE</i> , 10.1109/RNNNS/19922268630, October 1992 (Pgs. 870-880).	
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	CH		
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/Joseph Hirl/ (07/25/2007)

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